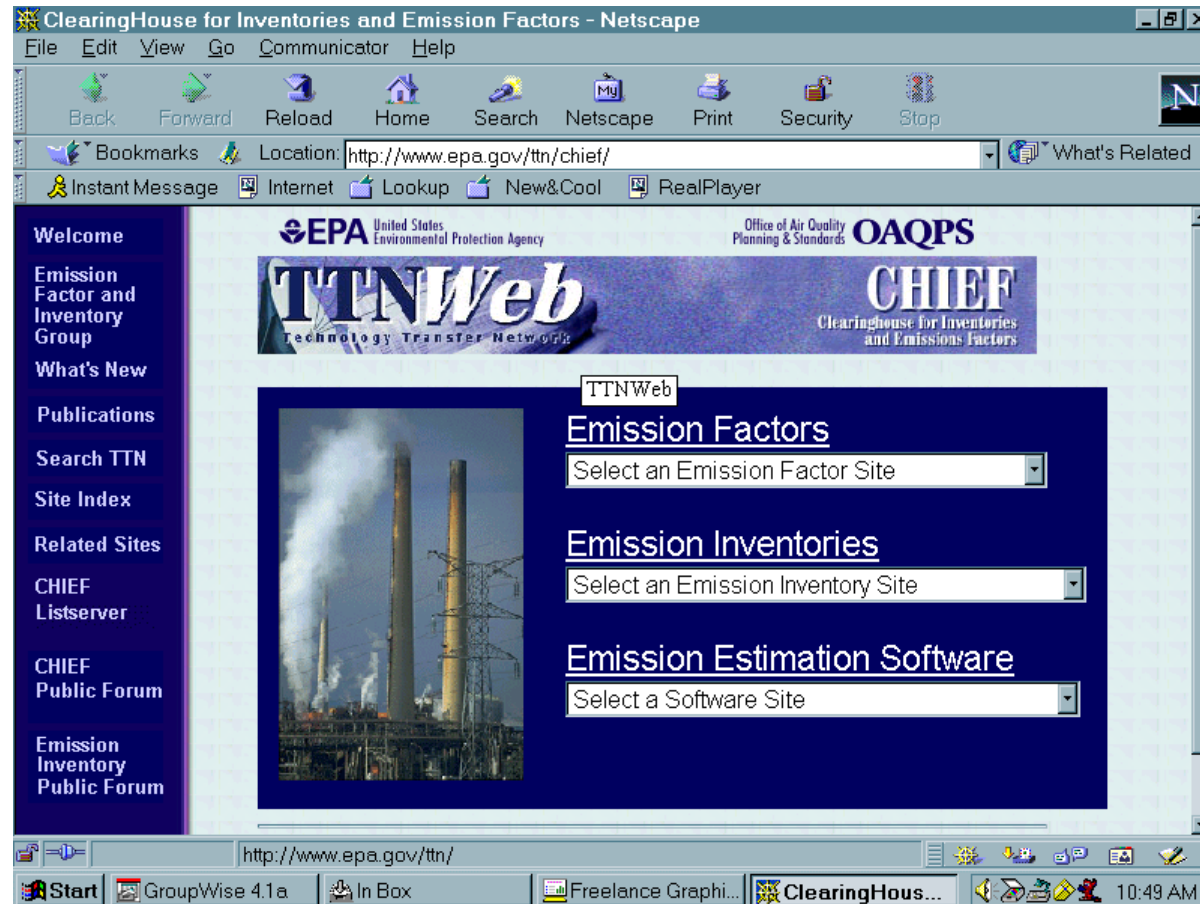


EPA's Emission Estimation Tools



CHIEF Website

- <http://www.epa.gov/ttn/chief/>



AP-42

Volume I -- Point and area sources

Volume II -- Mobile sources

Contains criteria and HAP emissions information on:

- **Types of sources emitting air pollutants**
- **General process descriptions**
- **Identification of potential release points**
- **Emission factors for controlled and uncontrolled processes**

Available from GPO, Web Page, Fax CHIEF and on Air CHIEF CD

Locating and Estimating Series

"L & E'S"

Pollutant or source category specific reports that contain detailed emission information on:

- **Types of sources emitting hazardous air pollutants**
- **General process descriptions**
- **Identification of potential release points**
- **Emission factors for controlled and uncontrolled processes**
- **Reviewed by S/L agencies, industry, consultants, and EPA**

EIIP



. . . Road to the Future

EIIP Products

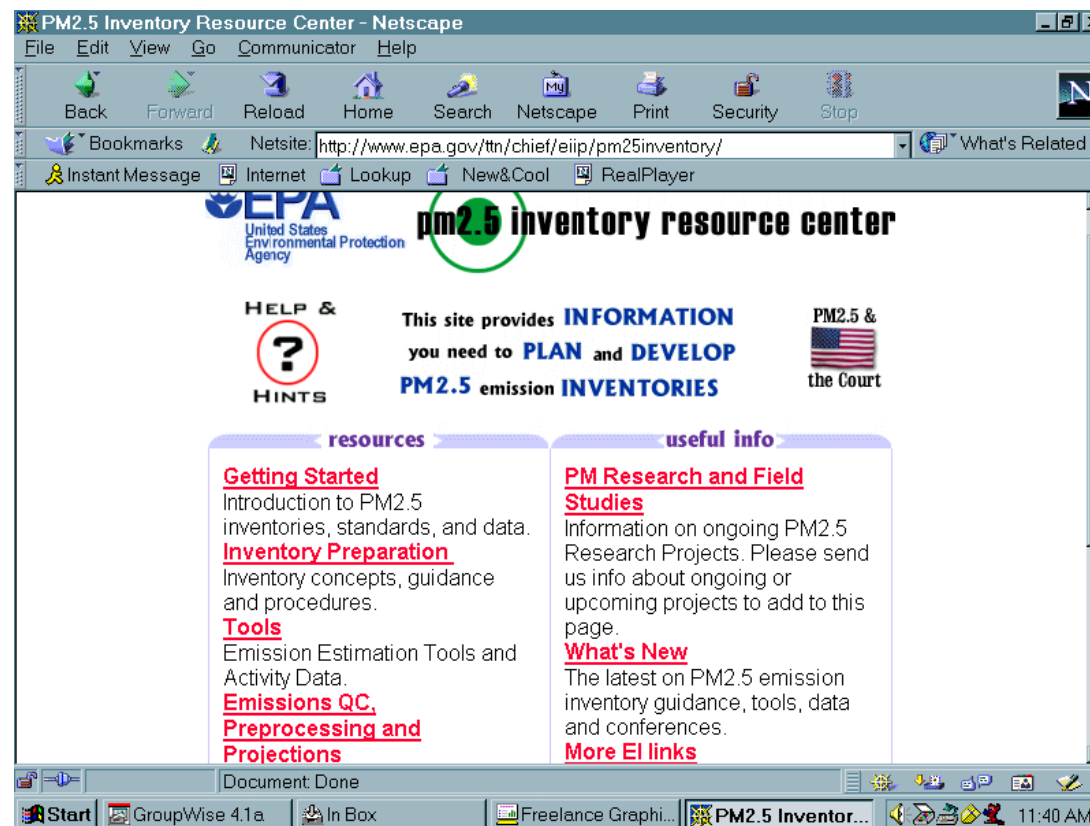


Providing Preferred and Alternative Methods

- **A preferred method should result in the best estimate, and can be accomplished by a typical agency.**
- **Alternative methods may be less demanding to accomplish, but may provide a less dependable estimate or less detail.**

PM Resource Center

<http://www.epa.gov/ttn/chief/eiip/pm25inventory/>



Air CHIEF CD-Rom

- **Contains the majority of the CHIEF website on one CD-Rom**
 - **AP-42, Vol I and II**
 - **L & Es**
 - **SCC List**
 - **SIC List**
 - **FIRE**
 - **AP-42 Background Documents**
- **Install copies**
 - ◆ **PMCALC**
 - ◆ **PC BEIS**
 - ◆ **WATER 8**
 - ◆ **CHEMDAT 8**
 - **Adobe Acrobat format**
 - **Full CD Search**
 - **Links between AP-42, EIIP and backgroun documents**

Air CHIEF CD-ROM

- **New to Version 7.0**
 - **New simpler layout**
 - **Additional emission inventory documents**
 - **EIIP volumes - current through Oct, 1999**
 - **AP-42 Vol I current through Supplement E**
 - **Latest version of FIRE**
 - **Latest SCC list**
 - **North American Industrial Classification System (NAICS) cross matched to the SIC codes**

FIRE

- ✓ **Searchable database containing EPA's recommended emission factors**
 - **Criteria pollutants**
 - **Toxic pollutants**
- ✓ **Complete Source Classification Code (SCC) Listing**
- ✓ **Available for download from CHIEF web site**
- ✓ **6.22 version includes EF's in AP-42 Supp. E**

TANKS

- ✓ **Calculational software to estimate emissions from organic liquid storage tanks**
- ✓ **Based on revised equations in Chapter 7 of AP-42**
- ✓ **Calculates emissions for:**
 - **Horizontal and Vertical Fixed Roof Tanks**
 - **External and Internal Floating Roof Tanks**
 - **Domed External Floating Roof Tanks**
- ✓ **Calculates total VOC and individual HAP emissions**
- ✓ **Calculates monthly and annual emissions**

TANKS

- **NEW! Windows version available**

- **New features:**
 - **Additional speciation options**
 - ◆ **New liquid composition data added**
 - ◆ **Allows better estimation of HAPs**
 - **Updated meteorological data**
 - **More chemical data added**
 - **Placeholder for calculation of emissions from empty floating roof tanks (for future version of TANKS)**

EFIG List Server

- **Receive CHIEF Newsletter (no longer available in print format) via e-mail**
- **Receive timely EFIG news updates via e-mail**
- **How to Subscribe:**
 - **E-mail a message to:
listserver@unixmail.rtpnc.epa.gov**
 - **type "Subscribe CHIEF Firstname Lastname"**

Info CHIEF Help Desk (919) 541-5285

Staffed under contract
by

L O C K H E E D M A R T I N



- **Locate Emissions and Inventory Material**
- **Help with using databases and CD-ROM**
- **Help with Internet problems**